



Micro Prime E

Water Based Epoxy Sealer

Pack Size
4Kgs

TDS Technical Data Sheet



Description

Micro Prime (E) is a two-component water-based epoxy phenalkamine unpigmented sealer, designed for sealing surfaces and providing a strong bond to difficult or improperly prepared surfaces. It is versatile and can be applied to wet or damp surfaces, freshly laid hardened (green) concrete, and other substrates. The product is tolerant to improperly prepared surfaces, making it ideal for a variety of applications.

Features and Benefits

Micro Prime (E) can be applied to wet or damp surfaces free from running or ponding water. It is safe to use on freshly laid hardened (green) concrete and consolidates weak or rain-affected concrete surfaces, forming a firm substrate for subsequent treatments. It has excellent penetration, even into fine-grained substrates such as high-strength concrete. The product is tolerant to improperly prepared surfaces, seals and binds dusty or loosely bound surfaces, and offers excellent adhesion to most substrates, including brick, masonry, concrete block, concrete, compressed fibreboard, stone, and timber. Non-flammable with negligible odour, it offers a convenient equal-part mixing ratio and is water-thinned for easy clean-up. Safe to use in sensitive locations such as around food or habitable areas.

Typical Uses

Micro Prime (E) is used as a penetrating sealer to achieve bonding to high-strength concrete or other fine-textured surfaces. It serves as a consolidation sealer for weak aged concrete prior to over-coating with other covering or coating systems. The product is also effective as a bonding coating for surfaces where there is a risk of grease or oil in the surface, a consolidation sealer for rain-affected concrete to form a firm substrate, and as a waterproofing sealer for concrete, masonry, brickwork, fibre cement, plywood, and particleboard in wet areas. It is also used as an industrial dust suppressant and sealer for warehouse and factory floors where colour is not critical.

Limitations

Micro Prime (E) should not be applied when the surface temperature is below 8°C or above 35°C, or when the relative humidity is above 90%. The curing reaction will cease at temperatures below 8°C and will recommence slowly as the temperature rises above 8°C. Good ventilation is required during the drying and curing cycle. The product is not stable under ultra-violet light unless under water and is only trafficable when used as a sealer. Do not sandwich water or solvent-based adhesives between Micro Prime (E) and low permeability floor coverings.

Important

When using Micro Prime (E) as a penetrating sealer prior to the application of other coatings, apply only sufficient material to penetrate the substrate. If a glazed surface results, it should be sanded before proceeding with other coatings.

Application Methodology

All surfaces to be treated should be structurally sound and thoroughly cleaned, free from all surface contaminants. Remove all existing

coatings before applying Micro Prime (E). The pores of the concrete should be opened as much as possible by high-pressure water blasting or abrasive blast cleaning. Ensure all concrete curing membranes or form release agents are thoroughly removed before application.

Physical Properties

Appearance:	Clear, unpigmented liquid
Mixing Ratio:	1:1 (Part A: Part B)
Application Temperature:	8°C to 35°C
Specific Gravity:	1.05 ± 0.02
Coverage:	8-10 m ² /L (depending on substrate porosity)
Pot Life:	60 minutes at 25°C
Drying Time:	Touch dry in 4-6 hours, fully cured in 7 days

Cleaning and Maintenance

All tools and equipment should be cleaned immediately after use with water. If the product has dried on tools, use a solvent-based cleaner to remove it.

Storage and Shelf Life

Store Micro Prime (E) in a cool, dry place at temperatures between 5°C and 30°C. Keep containers tightly sealed when not in use. The product has a shelf life of 12 months in original, unopened containers.

Health and Safety

Micro Prime (E) is classified as non-toxic, non-flammable, and non-explosive. Avoid contact with skin and eyes and avoid breathing vapour or spray mist. Wear eye protection and protective gloves when mixing and using the product. In case of contact with skin, wash thoroughly with soap and water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Pack Size

4Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.